

ABSTRACT OF THE DISCLOSURE

A bulk material loading device is provided for maximizing the fill efficiency of a compartment and for preventing unwanted spillage outside the compartment. The loading device comprises an upper casing assembly having an inlet for receiving a bulk material, and a motor
5 having a shaft and a motor housing, wherein the motor housing is mounted to the upper casing assembly outside of the inlet. An impeller is in rotational communication with the motor shaft and aligned beneath the inlet. A shutter assembly is operatively connected between the motor housing and the upper casing assembly, and the shutter assembly is movable between a closed position and an open position. Preferably, a level sensor is positioned below the impeller for
10 sensing and controlling the flow of bulk material from its source. The impeller comprises a lower portion which includes a plurality of vanes sized and positioned to disperse the bulk material at a predetermined trajectory from the device, and an upper portion which includes a surface formed to direct the material into the vanes.